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(54) 【Title】 Menu Managing Apparatus and Menu Managing Method

[Page (2) col. 1 line 1 – col. 2 line 14]

[Claims]

[Claim 1] A menu managing apparatus having a menu information storing means for storing a display region, display information, a selection effective region and a selection execution function of each menu item as menu item information, a menu displaying means for displaying a menu based on the menu item information stored in the menu information storing means, a coordinate detecting means for detecting a specified position, a selected item determining means for determining which menu item is selected from a coordinate detected by the coordinate detecting means and the menu item information stored in the menu information storing means, and a function executing means for executing the selection execution function corresponding to the menu item determined to be selected in the selected item determining means.

[Claim 2] The menu managing apparatus according to claim 1, wherein

the selection effective region is defined by a position in a horizontal direction or a vertical direction of the display region.

[Claim 3] The menu managing apparatus according to claims 1 to 2, further containing a selection effective time as the menu item information stored in the menu information storing means, and having an item specified time measuring means for measuring a time during which each menu item is specified, wherein the selected item determining means determines which menu item is selected from the coordinate detected by the coordinate detecting means, the time measured by the item specified time measuring means and the menu item information stored in the menu information storing means.

[Claim 4] A menu managing method comprising a menu displaying process of displaying a menu based on menu item information containing a display region, display information, a selection effective region and a selection execution function of each menu item, a coordinate detecting process of detecting a specified position, a selected item determining process of determining which menu item is selected from a coordinate detected in the coordinate detecting process and the menu item information, and a function executing process of executing the selection execution function corresponding to the menu item determined to be selected in the selected item determining process.

[Claim 5] The menu managing method according to claim 4, wherein the selection effective region is defined by a position in a horizontal direction or a vertical direction of the display region.

[Claim 6] The menu managing apparatus according to claims 4 to 5, further containing a selection effective time as the menu item information, and having an item specified time measuring process of measuring a time during which each menu item is specified, wherein the selected item determining process determines which menu item is selected from the coordinate detected in the coordinate detecting process, the time measured in the item specified time measuring process and the menu item information.

[Claim 7] A recording medium storing a menu managing program comprising a menu displaying step of displaying a menu based on menu item information containing a display region, display information, a selection effective region and a selection execution function of each menu item, a coordinate detecting step of detecting a specified position, a selected item determining step of determining which menu item is selected from a coordinate detected in the coordinate detecting step and the menu item information, and a function executing step of executing the selection execution function corresponding to the menu item determined to be selected in the selected item determining step.

[Claim 8] The recording medium storing the menu managing program according to claim 7, wherein the selection effective region is defined by a position in a horizontal direction or a vertical direction of the display region.

[Claim 9] The recording medium storing the menu managing program according to claims 7 to 8, further containing a selection effective time as the menu item information, and comprising an item specified time measuring step of measuring a time during which each menu item is specified, wherein the selected item determining step determines which menu item is selected from the coordinate detected in the coordinate detecting step, the time measured in the item specified time measuring step and the menu item information.

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